

ABSTRACT

A system dynamically generates web pages that are optimized for a client's capabilities. In one embodiment, a client capability matrix is created. The matrix distinguishes between clients based on one or more parameters, such as browser type, browser version, available data transfer rate, display capabilities, and terminal device specifications. Additionally, a plurality of XSL stylesheets are created. Each type of client is associated with one XSL stylesheet, but one XSL stylesheet may be associated with one or more type of client. When a client requests a document from the system, the system determines the client capabilities and selects an associated XSL stylesheet. This selected stylesheet is then merged with an XML content document that is associated with the requested document. The merged document is then ransmitted to the client as an XML compliant document, such as an XHTML document.